| SOLICITATION/C                                      |              |                        |             |          |          |                     | REQUISIT<br>/56MES-51 | TION NUMBER<br>23-8716 |   |                | PAGE               | 1 OF                   | 6          |
|---|--------------|------------------------|-------------|----------|----------|---------------------|-----------------------|------------------------|---|----------------|--------------------|------------------------|------------|
| 2. CONTRACT NO.                                     | ;            | 3. AWARD/EFF           | ECTIVE DATE |          | R NUMBE  | R                   |                       |                        | TION NUMBER                                   |                |                    | TATION ISSU            | JE DATE    |
| 7. FOR SOLICITATION                                 |              | 18-Jul-2009<br>a. NAME | )           |          |          |                     |                       |                        | 05-T-0039<br>NE NUMBER <i>(No C</i>           | Collect Calls) | 27-May<br>8. OFFER | /-2005<br>R DUE DATE/L | LOCAL TIME |
| INFORMATION CALL:                                   |              | SAMMIE H               | ART         |          | 40 71116 |                     | .T.O.L.10             | 313 226-6              |   | 505 505        |                    | M 16 Jun               |            |
| 9. ISSUED BY  CONTRACTING DIVISION                  | ON           | CODE                   | V911XK      |          |          | S ACQUIS<br>RESTRIC |                       | •                      | 11. DELIVERY<br>DESTINATION                   | UNLESS         | Net 30             | COUNT TEF              | KMS        |
| DETROIT DISTRICT, US<br>DETROIT MI 48231-1027       |              | 1027                   |             |          | X SET    | T ASIDE:            | 100                   | % FOR                  | BLOCK IS MAR                                  |                |                    |                        |            |
|   |              |                        |             |          | Х        | SMALL B             |                       |                        |   | CONTRACT       | IS A RA            | TED ORDE               | R          |
|   |              |                        |             |          |          | 8(A)                | E SMALI               | L BUSINESS             |   | PAS (15 CFR    |                    |                        |            |
|   |              |                        |             |          | ш        | 335312              |                       |                        | 13b. RATING                                   |                |                    |                        |            |
| TEL:<br>FAX:  |              |                        |             |          |          | TANDARE             | 0:1,000               |                        | 14. METHOD O                                  | IFB            | TION               | RFP                    |            |
| 15. DELIVER TO<br>SOO AREA OFFIC                    |              | CODE                   |             |          | 16. ADM  | IINISTERI           | ED BY                 |                        | <u>  —                                   </u> | co             | DE                 |                        |            |
| ST. MARY'S FALLS CANAL<br>SAULT STE. MARIE MI 49783 | 3            |                        |             |          |          |                     |                       |                        |   |                |                    |                        |            |
|   |              |                        |             |          |          |                     | SEE                   | ITEM 9                 |   |                |                    |                        |            |
|   |              |                        |             |          |          |                     |                       |                        |   |                |                    |                        |            |
| 17a.CONTRACTOR/OFF                                  | EROR         | (                      | ODE 9E904   | ļ        | 18a. PA  | YMENT W             | /ILL BE N             | MADE BY                |   | CC             | DDE TO             | )B0200                 |            |
| BUNKER MANUFACTUF                                   | RING         |                        |             |          | U S AR   | MY COR              | PS OF E               | ENGINEERS              | FINANCE AND                                   |                |                    |                        |            |
| KELLY BUNKER.<br>1501 12TH ST                       |              |                        |             |          |          | ASP AV              |                       |                        |   |                |                    |                        |            |
| SAULT STE. MARIE MI 4                               | 19783        |                        |             |          | WILLIA   | 0101111             | 1 0000                |                        |   |                |                    |                        |            |
|   |              |                        |             |          |          |                     |                       |                        |   |                |                    |                        |            |
| TEL. (906) 632-3829                                 |              | COI                    | DE 9E904    | ļ        |          |                     |                       |                        |   |                |                    |                        |            |
| 17b. CHECK IF REI                                   |              | DIFFERENT              | AND PUT     |          |          | IBMIT IN'<br>IS CHE |                       |                        | SS SHOWN IN<br>DDENDUM                        | BLOCK 18a      | a. UNLES           | SS BLOCK               | (          |
| 19. ITEM NO.  | 20           | ). SCHEDUL             | E OF SUPPL  | IES/ SE  | RVICES   |                     | 21                    | 1. QUANTIT             | 22. UNIT                                      | 23. UNIT P     | RICE               | 24. AMOL               | JNT        |
|   |              |                        |             |          |          |                     |                       |                        |   |                |                    |                        |            |
|   |              | ;                      | SEE SCHE    | DULE     |          |                     |                       |                        |   |                |                    |                        |            |
|   |              |                        |             |          |          |                     |                       |                        |   |                |                    |                        |            |
| 25. ACCOUNTING AND                                  | APPROPRIATI  | ON DATA                |             |          |          |                     |                       |                        | 26. TOTAL                                     | AWARD AM       | OUNT (F            | or Govt. U             | se Only)   |
| See Schedule  |              |                        |             |          |          |                     |                       |                        |   |                |                    | \$11,202.              | 31         |
|   |              |                        |             |          |          |                     |                       |                        |   |                |                    |                        |            |
| 27a. SOLICITATION                                   | INCORPORAT   | ES BY REFE             | RENCE FAR   | 52.212-1 | 52.212-  | 4. FAR 52           | 2.212-3. 5            | 52.212-5 ARE           | ATTACHED. A                                   | DDENDA         | ARE                | ARE NOT A              | ATTACHED   |
| 27b. CONTRACT/PL                                    | URCHASE ORD  | ER INCORP              | ORATES BY F | REFERE   | NCE FAR  | 8 52.212-4          | 1. FAR 52             | 2.212-5 IS AT          | TACHED. A                                     | DDENDA         | ARE                | ARE NOT A              | ATTACHED   |
| 28. CONTRACTOR IS R                                 | EQUIRED TO S | SIGN THIS D            | OCUMENT AN  | ND RETU  | IRN      | COPIE               | S 29.                 | AWARD OF               | CONTRACT: RE                                  | FERENCE        |                    |                        |            |
| TO ISSUING OFFICE                                   |              |                        |             |          |          |                     |                       | OFFER DAT              | ED<br>INCLUDING AN                            |                |                    | N SOLICIT              |            |
| SUBJECT TO THE T                                    |              |                        |             |          | THONAL   | SHEETS              | ,   _                 | ,                      | HEREIN, IS AC                                 |                |                    |                        | THOTTAKE   |
| 20- CICNATURE OF C                                  | NEEEDOD/001  | ITDACTOR               |             |          | 21.0     | INTERD C            | mamer o               | E AMEDICA (            | SIGNATURE OF CO                               | ONTRACTING     | OFFICER)           | 21~ DAME               | CICNED     |
| 30a. SIGNATURE OF C                                 | JEFEKUK/UUI  | NIKACIUK               |             |          | ola.     | OMTIED S            | THIES U               | . ANEATCA (            | CICINATURE OF CO                              | ON TRACTING    | OI I IOEK)         | JIC. DAIE              | . STANED   |
|   |              |                        |             |          |          | <i>7</i> 4.         | ٠.,                   | مدد عر                 | dignagen_                                     |                |                    | 18-Ju                  | 1-2005     |
| 206 NAME AND TITLE                                  | OF SIGNED    |                        | 200 DATE    | SICNICE  | ,        |                     |                       |                        | /   | OD DD7:        |                    |                        |            |
| 30b. NAME AND TITLE  (TYPE OR PRINT)                | UF SIGNEK    |                        | 30c. DATE   | SIGNEL   | 310.     |                     |                       | CTING OFFICE           | 210   | OR PRINT)      |                    |                        |            |
| = 3   |              |                        |             |          | GEOF     | RGE FED             | YNSKY /               | ADDED BY SU            | MI  |                |                    |                        |            |
|   |              |                        |             |          | TEL:     | : 313 226           | 5-6356                |                        | EMAIL: Ge                                     | eorge.Fedyns   | sky@lre(           | )2.usace.a             | rmy.mil    |

| SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS (CONTINUED) |   |           |                     |                         |                            |   |               | PA            | AGE 2 OF 6 |          |            |
|--|---|-----------|---------------------|-------------------------|----------------------------|---|---------------|---------------|------------|----------|------------|
| 19. ITEM NO.   | 20. SCHEDULE OF SUPPLIES/ SERVICES  |           |                     |                         |                            | l l   | 21. QUANTIT   | ΓY 22. UNIT   | 23. UNIT   | PRICE    | 24. AMOUNT |
| 19. ITEM NO.   |   |           |                     |                         | VICES                      |   | 21. QUANTIT   | TY 22. UNIT   | 23. UNIT   | PRICE    | 24. AMOUNT |
|  |   |           |                     |                         |                            |   |               |               |            |          |            |
| 32a. QUANTITY IN   | I COLUI   | ИN 21 НА  | S BEEN              |                         |                            |   | 1             |               | 1          |          | 1          |
| RECEIVED   | INSPE   | CTED      | ACCEPTED, AND CONFO | ORMS TO THE (           | CONTRAC                    | T EYCED   | T AS NOTED.   |               |            |          |            |
| 32b. SIGNATURE   | OF AUT  | HORIZE    |                     | 32c. DATE               | CONTRAC                    |   |               | TITLE OF AUT  | HORIZED GO | VERNME   | NT         |
| REPRESENT  | ATIVE   |           |                     |                         |                            | REP   | RESENTATIVE   |               |            |          |            |
| 32e. MAILING ADI   | DRESS   | OF AUTH   | ORIZED GOVERNMENT F | REPRESENTATI            | IVE                        | 32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE |               |               |            |          |            |
|  |   |           |                     |                         |                            | 32g. E-MA   | AIL OF AUTHOR | IZED GOVERNM  | ENT REPRES | SENTATIV | Έ          |
| 33. SHIP NUMBER  |   | 34. VOU   | CHER NUMBER         | 35. AMOUNT V<br>CORRECT |                            | 36  | . PAYMENT     | E PARTIAL     | FINAL      | 37. CHE  | CK NUMBER  |
| PARTIAL  | FINAL   |           |                     |                         |                            |   |               |               |            |          |            |
| 38. S/R ACCOUNT  | NUMBI   | ER  39. S | S/R VOUCHER NUMBER  | 40. PAID BY             |                            |   |               |               |            |          |            |
|  | 41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT42a. RECEIVED BY (Print) |           |                     |                         |                            |   |               |               |            |          |            |
| 41b. SIGNATURE   | AND TIT   | LE OF C   | ERTIFYING OFFICER   | 41c. DATE               |                            |   |               |               |            |          |            |
|  |   |           |                     |                         | 42b. RECEIVED AT(Location) |   |               |               |            |          |            |
|  |   |           |                     |                         | 42c. DA                    | TE REC'D (  | YY/MM/DD)     | 42d. TOTAL CO | NTAINERS   |          |            |

#### Section SF 30 - BLOCK 14 CONTINUATION PAGE

#### AMENDMENT 3

Supply components to replace the manual operation of 3 gate valves for 30" discharge pipes. Currently the discharge valves are manually operated via a 'hand cranked wheel' circa 1912. The hand crank wheel turns a 33' shaft which opens/closes the gate valves.

The proposed plan is to replace the manual system with a hydraulic system. The hydraulic system will have a main hydraulic power unit that will have a manifold with 4 'manually controlled' reversible spool valves. This manifold will supply hydraulic power to 3 high torque hydraulic motors which will transfer power through a Lovejoy coupler. Three of these valves will control hydraulic power to a high torque motor. The fourth will be reserved for future use.

Each valve will be open and closed via a manually (lever) operated reversible spool valve. Maximum permitted time for valve opening is 2 minutes when operated one at a time. Longer opening time is permitted when two or more valves are operated simultaneously.

### Components needed:

- 1. (Quantity 3) Low speed high torque hydraulic motor, 2 bolt SAE A flange mo unting, 1-1/4" straight shaft with 5/16" key, starting torque of 4500# IN or greater. (note: port size threads must match with items 2 & 4).
- 2. (Quantity 1) Hydraulic Power Unit with minimum specifications: 10 GPM, 30 GAL reservoir tank, 2300 psi, 4 manually controlled reversible spool valves, and filter. Motor to be 3 phase, 440 VAC, 60 Hz, service factor 1.15 or greater. Motor overload protective device shall be of type solid state, class 20, separate from the motor and located within the motor controller. Motor overload protective device shall be manually reset upon an overload trip. Motor Controller shall have off /on selector switch, run indicator light, and magnetic starter. Motor Controller shall have an external, built-in disconnect that enables personnel to lock in the de-energized position All electrical components shall be used and installed per manufacturers specifications. All electrical components shall be used in accordance with their UL Listing and the NEC-2005 as continuous-duty motor. Motor Controller shall arrive fully assembled and be operational once 440 VAC is connected. Note port size threads must match hose ends.
- 3. 400' hydraulic flexible hose, minimum 3000 psi.
- 4. (Quantity 6) Hose ends for power unit (see note on item #2).
- 5. Lovejoy disk couplings, Part# DI 132-6, Coupling base 4.375" long, 1 hub W/2.625" diameter keyed hole, 1 hub W/1.25" diameter keyed hole, quantity 3.00.

# Section SF 1449 - CONTINUATION SHEET

| ITEM NO 0001    | SUPPLIES/SERVICES<br>Hydraulic Motor<br>The vendor quote dated<br>July 6, 2005 is<br>incorporated. | QUANTITY<br>3 | UNIT<br>Each | UNIT PRICE<br>\$448.50   | AMOUNT<br>\$1,345.50     |
|-----------------|--|---------------|--------------|--------------------------|--------------------------|
|                 | ACRN AA Funded Amou  | nt            |              | NET AMT                  | \$1,345.50<br>\$1,345.50 |
| ITEM NO<br>0002 | SUPPLIES/SERVICES Power Unit and Panel Control  This line item included \$375.00 for freight.      | QUANTITY<br>1 | UNIT<br>Each | UNIT PRICE<br>\$5,535.97 | AMOUNT<br>\$5,535.97     |
|                 | ACRN AA Funded Amou  | nt            |              | NET AMT                  | \$5,535.97<br>\$5,535.97 |

## W911XK-05-P-0054

# Page 6 of 7

| ITEM NO<br>0003 | SUPPLIES/SERVICES<br>Hydraulic Hose                              | QUANTITY<br>400 | UNIT<br>Foot | UNIT PRICE<br>\$2.28     | AMOUNT<br>\$912.00   |
|-----------------|--|-----------------|--------------|--------------------------|----------------------|
|                 |  |                 |              |                          |                      |
|                 |  |                 |              | NET AMT                  | \$912.00             |
|                 | ACRN AA Funded Amoun   | t               |              |                          | \$912.00             |
|                 |  |                 |              |                          |                      |
| ITEM NO<br>0004 | SUPPLIES/SERVICES<br>Hydraulic Fittings                          | QUANTITY<br>6   | UNIT<br>Each | UNIT PRICE<br>\$3.64     | AMOUNT<br>\$21.84    |
|                 |  |                 |              |                          |                      |
|                 |  |                 |              | NET AMT                  | \$21.84              |
|                 | ACRN AA Funded Amoun   | t               |              |                          | \$21.84              |
| ETEM NO         |  | OLIA NITITY     | LINUT        | LIMITE DDICE             | AMOUNT               |
| ITEM NO<br>0005 | SUPPLIES/SERVICES<br>LOVJ D1 132-6FBXBF<br>(Stainless Couplings) | QUANTITY<br>3   | UNIT<br>Each | UNIT PRICE<br>\$1,129.00 | AMOUNT<br>\$3,387.00 |
|                 | (Stainless Couplings)  |                 |              |                          |                      |
|                 |  |                 |              | NET AMT                  | \$3,387.00           |
|                 | ACRN AA Funded Amoun   | t               |              |                          | \$3,387.00           |

| CLIN | DELIVERY DATE | QUANTITY | SHIP TO ADDRESS   | UIC |
|------|---------------|----------|---|-----|
| 0001 | 21-OCT-2005   | 3        | SOO AREA OFFIC<br>ST. MARY'S FALLS CANAL<br>SAULT STE. MARIE MI 49783<br>FOB: Destination |     |
| 0002 | 21-ОСТ-2005   | 1        | (SAME AS PREVIOUS LOCATION) FOB: Destination  |     |
| 0003 | 21-OCT-2005   | 400      | (SAME AS PREVIOUS LOCATION) FOB: Destination  |     |
| 0004 | 21-OCT-2005   | 6        | (SAME AS PREVIOUS LOCATION) FOB: Destination  |     |
| 0005 | 21-OCT-2005   | 3        | (SAME AS PREVIOUS LOCATION) FOB: Destination  |     |

# ACCOUNTING AND APPROPRIATION DATA

AA: 96X31230000 082427 2570K6183K017380 NA 96203

COST 000000000000

CODE:

AMOUNT: \$11,202.31

## CLAUSES INCORPORATED BY REFERENCE

| 52.204-7     | Central Contractor Registration                     | OCT 2003 |
|--------------|---|----------|
| 52.212-4     | Contract Terms and ConditionsCommercial Items       | OCT 2003 |
| 52.212-5     | Contract Terms and Conditions Required to Implement | APR 2005 |
|              | Statutes or Executive OrdersCommercial Items        |          |
| 252.212-7001 | Contract Terms and Conditions Required to Implement | JAN 2005 |
|              | Statutes or Executive Orders Applicable to Defense  |          |
|              | Acquisitions of Commercial Items                    |          |